

Claims:

Sub 17

1. A method comprising:
polling a first master transmitting device with a second master transmitting device to determine a hopping sequence of the first master transmitting device.

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2. The method of claim 1, wherein polling the first master transmitting device includes polling the first master transmitting device across a local area network.

3. The method of claim 1, wherein polling the first master transmitting device includes polling the first master transmitting device with a wireless communication.

4. The method of claim 1, wherein polling the first master transmitting device includes determining whether the first master transmitting device is receiving a signal from a slave transmitting device.

5. The method of claim 1, further comprising informing the first master transmitting device of communication characteristics of the hopping sequence of the second master transmitting device.

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6 7. The method of claim 1, further comprising transferring responsibility to provide communication between a network and a slave transmitting device from the second master transmitting device to the first master transmitting device.

5 7 8. The method of claim 1, wherein polling the first master transmitting device includes polling a device selected from the group consisting of an access point, a base station, a network node, and a terminal.

9 9. The method of claim 1, further comprising determining if a signal strength between a slave transmitting device and the second master transmitting device is approaching a predetermined threshold.

10 10. The method of claim 9, further comprising transferring responsibility to provide communication between a network and the slave transmitting device from the second master transmitting device to the first master transmitting device.

11 11. The method of claim 1, wherein polling the first master transmitting device includes updating a table of near neighbors.

12 12. The method of claim 1, further comprising changing the hopping sequence of the first master transmitting device so that the first master transmitting device can communicate with a slave transmitting device.

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12 ~~13~~. The method of claim 1, further comprising changing the hopping sequence of a slave transmitting device so that the first master transmitting device can communicate with the slave transmitting device.

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13 14. A method of transferring communication from a network to a slave device, comprising:
notifying a first master of the hopping sequence of the slave with a second master.

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14 15. The method of claim 14, further comprising polling the first master to determine if the first master is receiving a signal from the slave device.

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15 16. The method of claim 15, wherein polling the first master includes transmitting a packet over the network.

16 17. The method of claim 16, wherein polling the first master includes a wireless transmission.

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17 18. The method of claim 15, further comprising updating a table of near neighbors.

18 19. A system comprising:

a first master and a second master to communicate with a slave device,
wherein the second master is adapted to provide the first master with a hopping
sequence of the slave device.

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19 20. The system of claim 19, wherein the first master and the second master are coupled through a network.

2021. The system of claim 19, wherein the second master is adapted to communicate to the first master through a wireless communication.

22. The system of claim 19, wherein the first master is capable of adjusting its hopping sequence so that the first master can communicate to the slave device.

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22 ~~23~~. An article comprising: a storage medium having stored thereon instructions, that, when executed by a computing platform, results in:

notifying a first master of a hopping sequence of a slave with a second master.

23 24. The article of claim 23, wherein the instructions, when executed, further result in polling the first master to determine if the first master is receiving a signal from the slave.

24 25. The article of claim 24, wherein the instructions, when executed,
further result in transmitting a packet over the network.

25 26. The article of claim 24, wherein the instructions, when executed, further result determining if a signal strength between the slave and the second master is approaching a predetermined threshold.